

## CLAIMS

1. An electroconductive contact probe holder for supporting a plurality of contact units for contacting an object, comprising:
  - 5 a base plate member made of a first material and provided with an opening therein; and
  - a holder hole forming member made of a second material and filled in said opening substantially without extending outside said opening;
  - a plurality of holder holes being passed across a thickness of said holder
  - 10 hole forming member each for receiving a contact unit therein.
2. An electroconductive contact probe holder according to claim 1, wherein said first material comprises a member selected from a group consisting of metallic material, semiconductor material, ceramic material and glass material.
- 15 3. An electroconductive contact probe holder according to claim 1, wherein said second material comprises a plastic material.
4. An electroconductive contact probe holder according to claim 1, wherein
- 20 film is formed over an inner circumferential surface of said opening.
5. An electroconductive contact probe holder according to claim 1, wherein said film is made of material that promotes bonding between said holder hole forming member and said base plate.

6. An electroconductive contact probe holder according to claim 1, wherein said film is made of material that promotes electric insulation between said holder hole forming member and said base plate.
- 5 7. An electroconductive contact probe holder according to claim 1, wherein an engagement feature is formed on an inner circumferential surface of said opening.
8. An electroconductive contact probe holder according to claim 7, wherein said base plate member is made of a silicon wafer and said engagement feature
- 10 comprises an inwardly directed ridge formed by anisotropically etching said inner circumferential surface of said opening.
9. An electroconductive contact probe holder according to claim 1, wherein a stress relieving opening is formed adjacent said opening having said holder hole
- 15 forming portion filled therein.